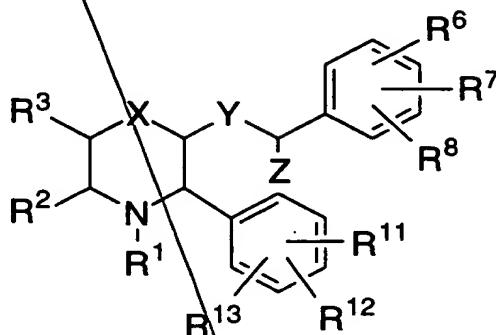


WHAT IS CLAIMED IS:

1. A compound of the structural formula:



5 or a pharmaceutically acceptable salt thereof, wherein:

R<sup>1</sup> is selected from the group consisting of:

- (1) hydrogen;
- (2) C<sub>1</sub>-6 alkyl, unsubstituted or substituted with one or more of the substituents selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1</sub>-6 alkoxy,
  - (d) phenyl-C<sub>1</sub>-3 alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo, wherein halo is fluoro, chloro, bromo or iodo,
  - (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are independently selected from:
    - (i) hydrogen,
    - (ii) C<sub>1</sub>-6 alkyl,
    - (iii) hydroxy-C<sub>1</sub>-6 alkyl, and
    - (iv) phenyl,
  - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

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- (k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above,
- (m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (n) heterocycle, wherein the heterocycle is selected from the group consisting of:
- (A) benzimidazolyl,
  - (B) benzofuranyl,
  - (C) benzothiophenyl,
  - (D) benzoxazolyl,
  - (E) furanyl,
  - (F) imidazolyl,
  - (G) indolyl,
  - (H) isooxazolyl,
  - (I) isothiazolyl,
  - (J) oxadiazolyl,
  - (K) oxazolyl,
  - (L) pyrazinyl,
  - (M) pyrazolyl,
  - (N) pyridyl,
  - (O) pyrimidyl,
  - (P) pyrrolyl,
  - (Q) quinolyl,
  - (R) tetrazolyl,
  - (S) thiadiazolyl,
  - (T) thiazolyl,
  - (U) thienyl,
  - (V) triazolyl,
  - (W) azetidiny,
  - (X) 1,4-dioxanyl,
  - (Y) hexahydroazepinyl,
  - (Z) piperazinyl,
  - (AA) piperidinyl,
  - (AB) pyrrolidinyl,

(AC) tetrahydrofuranyl, and

(AD) tetrahydrothienyl,

and wherein the heterocycle is unsubstituted or substituted with one or more substituent(s)

selected from:

(i) C<sub>1-6</sub> alkyl, unsubstituted or substituted with halo, -CF<sub>3</sub>, -OCH<sub>3</sub>, or phenyl,

(ii) C<sub>1-6</sub> alkoxy,

(iii) oxo,

(iv) hydroxy,

(v) thioxo,

(vi) -SR<sup>9</sup>, wherein R<sup>9</sup> is as defined above,

(vii) halo,

(viii) cyano,

(ix) phenyl,

(x) trifluoromethyl,

(xi) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m is 0, 1 or 2, and R<sup>9</sup> and R<sup>10</sup> are as defined above,

(xii) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

(xiii) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

(xiv) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and

(xv) -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>9</sup>, wherein m and R<sup>9</sup> are as defined above;

(3) C<sub>2-6</sub> alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:


(a) hydroxy,

(b) oxo,

(c) C<sub>1-6</sub> alkoxy,


(d) phenyl-C<sub>1-3</sub> alkoxy,

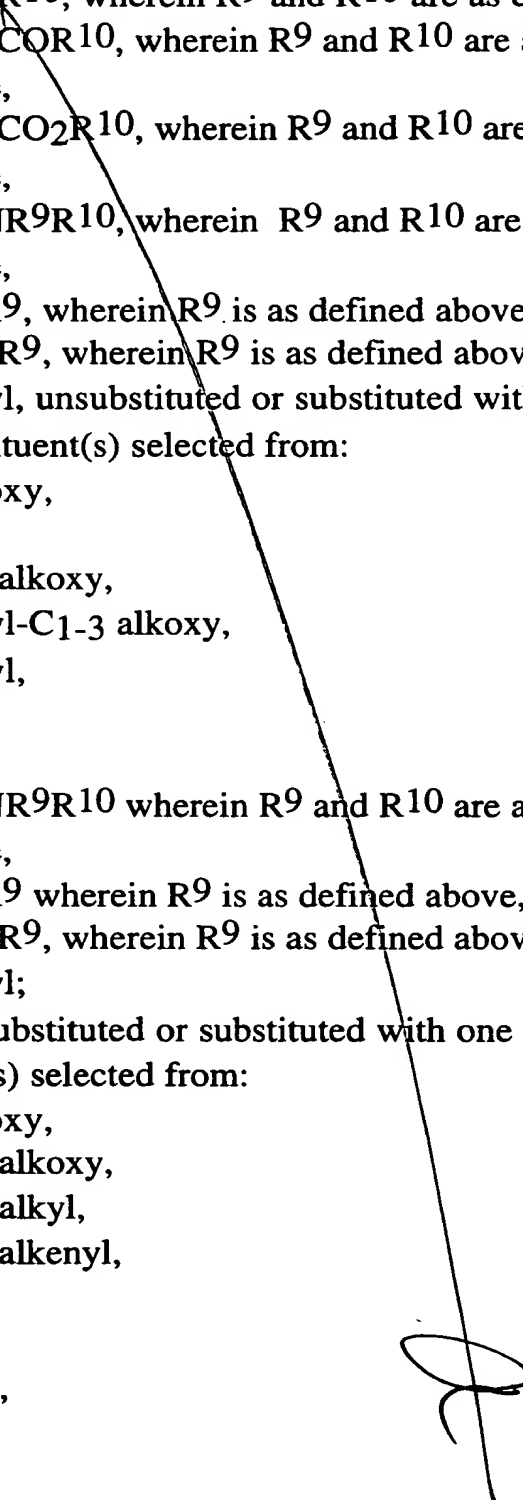
(e) phenyl,


- 5
- (f) -CN,  
(g) halo,  
(h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,  
(j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above,  
(k) heterocycle, wherein the heterocycle is as defined above;
- 10
- (4) C<sub>2-6</sub> alkynyl;  
(5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- 15
- (a) hydroxy,  
(b) C<sub>1-6</sub> alkoxy,  
(c) C<sub>1-6</sub> alkyl,  
(d) C<sub>2-5</sub> alkenyl,  
(e) halo,  
(f) -CN,  
(g) -NO<sub>2</sub>,  
(h) -CF<sub>3</sub>,
- 20
- (i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 25
- (l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(m) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 30
- (n) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above;  
(o) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- 

R<sup>2</sup> and R<sup>3</sup> are independently selected from the group consisting of:

- (1) hydrogen,
- (2) C<sub>1-6</sub> alkyl, unsubstituted or substituted with one or more of the substituents selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1-6</sub> alkoxy,
  - (d) phenyl-C<sub>1-3</sub> alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,
  - (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and
  - (m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (3) C<sub>2-6</sub> alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1-6</sub> alkoxy,
  - (d) phenyl-C<sub>1-3</sub> alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,
  - (h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,
  - (j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;

- (4) C2-6 alkynyl;
- (5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,
  - (b) C1-6 alkoxy,
  - (c) C1-6 alkyl,
  - (d) C2-5 alkenyl,
  - (e) halo,
  - (f) -CN,
  - (g) -NO<sub>2</sub>,
  - (h) -CF<sub>3</sub>,
  - (i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (m) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (n) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above; .
  - (o) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- 25 R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of:
- (1) hydrogen;
  - (2) C1-6 alkyl, unsubstituted or substituted with one or more of the substituents selected from:
- (a) hydroxy,
  - (b) oxo,
  - (c) C1-6 alkoxy,
  - (d) phenyl-C1-3 alkoxy,
  - (e) phenyl,
  - (f) -CN,
- 

- (g) halo,
- (h)  $\text{-NR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (i)  $\text{-NR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- 5 (j)  $\text{-NR}^9\text{CO}_2\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (k)  $\text{-CONR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (l)  $\text{-COR}^9$ , wherein  $\text{R}^9$  is as defined above, and
- 10 (m)  $\text{-CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above;
- (3) C2-6 alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,
- (b) oxo,
- 15 (c) C1-6 alkoxy,
- (d) phenyl-C1-3 alkoxy,
- (e) phenyl,
- (f)  $\text{-CN}$ ,
- (g) halo,
- 20 (h)  $\text{-CONR}^9\text{R}^{10}$  wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (i)  $\text{-COR}^9$  wherein  $\text{R}^9$  is as defined above,
- (j)  $\text{-CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above;
- (4) C2-6 alkynyl;
- 25 (5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,
- (b) C1-6 alkoxy,
- (c) C1-6 alkyl,
- 30 (d) C2-5 alkenyl,
- (e) halo,
- (f)  $\text{-CN}$ ,
- (g)  $\text{-NO}_2$ ,
- (h)  $\text{-CF}_3$ ,
- 

- 5 (i)  $-(CH_2)_m-NR^9R^{10}$ , wherein  $m$ ,  $R^9$  and  $R^{10}$  are as defined above,  
(j)  $-NR^9COR^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(k)  $-NR^9CO_2R^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(l)  $-CONR^9R^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
10 (m)  $-CO_2NR^9R^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(n)  $-COR^9$ , wherein  $R^9$  is as defined above;  
(o)  $-CO_2R^9$ , wherein  $R^9$  is as defined above;  
(6) halo,  
(7)  $-CN$ ,  
15 (8)  $-CF_3$ ,  
(9)  $-NO_2$ ,  
(10)  $-SR^{14}$ , wherein  $R^{14}$  is hydrogen or  $C_{1-5}$ alkyl,  
(11)  $-SOR^{14}$ , wherein  $R^{14}$  is as defined above,  
(12)  $-SO_2R^{14}$ , wherein  $R^{14}$  is as defined above,  
20 (13)  $NR^9COR^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(14)  $CONR^9COR^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(15)  $NR^9R^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(16)  $NR^9CO_2R^{10}$ , wherein  $R^9$  and  $R^{10}$  are as defined above,  
(17) hydroxy,  
25 (18)  $C_{1-6}$ alkoxy,  
(19)  $COR^9$ , wherein  $R^9$  is as defined above,  
(20)  $CO_2R^9$ , wherein  $R^9$  is as defined above,  
(21) 2-pyridyl,  
(22) 3-pyridyl,  
30 (23) 4-pyridyl,  
(24) 5-tetrazolyl,  
(25) 2-oxazolyl, and  
(26) 2-thiazolyl;
- 



R11, R12 and R13 are independently selected from the definitions of R6, R7 and R8;

X is selected from the group consisting of:

- 5 (1) -O-,
- (2) -S-,
- (3) -SO-, and
- (4) -SO2-;

10 Y is selected from the group consisting of:

- (1) a single bond,
- (2) -O-,
- (3) -S-,
- (4) -CO-,
- 15 (5) -CH2-,
- (6) -CHR15-, and
- (7) -CR15R16-, wherein R15 and R16 are independently selected from the group consisting of:
  - 20 (a) C1-6 alkyl, unsubstituted or substituted with one or more of the substituents selected from:
    - (i) hydroxy,
    - (ii) oxo,
    - (iii) C1-6 alkoxy,
    - (iv) phenyl-C1-3 alkoxy,
    - 25 (v) phenyl,
    - (vi) -CN,
    - (vii) halo,
    - (viii) -NR9R10, wherein R9 and R10 are as defined above,
    - 30 (ix) -NR9COR10, wherein R9 and R10 are as defined above,
    - (x) -NR9CO2R10, wherein R9 and R10 are as defined above,

- (xi)  $-\text{CONR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (xii)  $-\text{COR}^9$ , wherein  $\text{R}^9$  is as defined above, and
- (xiii)  $-\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above;

5

(b) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:

10

- (i) hydroxy,
- (ii)  $\text{C}_{1-6}$  alkoxy,
- (iii)  $\text{C}_{1-6}$  alkyl,
- (iv)  $\text{C}_{2-5}$  alkenyl,
- (v) halo,
- (vi)  $-\text{CN}$ ,
- (vii)  $-\text{NO}_2$ ,
- (viii)  $-\text{CF}_3$ ,
- (ix)  $-(\text{CH}_2)_m-\text{NR}^9\text{R}^{10}$ , wherein  $m$ ,  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (x)  $-\text{NR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (xi)  $-\text{NR}^9\text{CO}_2\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (xii)  $-\text{CONR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (xiii)  $-\text{CO}_2\text{NR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (xiv)  $-\text{COR}^9$ , wherein  $\text{R}^9$  is as defined above, and
- (xv)  $-\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above; and

15

20

25

Z is  $\text{C}_{1-6}$  alkyl.

30



2. The compound of Claim 1 wherein:  
R<sup>1</sup> is C<sub>1</sub>-6 alkyl, substituted with one or more of the substituents  
selected from:


heterocycle, wherein the heterocycle is selected from the  
group consisting of:

- (A) benzimidazolyl,
- (B) imidazolyl,
- (C) isooxazolyl,
- (D) isothiazolyl,
- (E) oxadiazolyl,
- (F) pyrazinyl,
- (G) pyrazolyl,
- (H) pyridyl,
- (I) pyrrolyl,
- (J) tetrazolyl,
- (K) thiadiazolyl,
- (L) triazolyl, and
- (M) piperidinyl,

and wherein the heterocycle is unsubstituted or  
substituted with one or more substituent(s) selected  
from:

- (i) C<sub>1</sub>-6 alkyl, unsubstituted or substituted  
with halo, -CF<sub>3</sub>, -OCH<sub>3</sub>, or phenyl,
- (ii) C<sub>1</sub>-6 alkoxy,
- (iii) oxo,
- (iv) thioxo,
- (v) cyano,
- (vi) -SCH<sub>3</sub>,
- (vii) phenyl,
- (viii) hydroxy,
- (ix) trifluoromethyl, and
- (x) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m is 0, 1 or  
2, and wherein R<sup>9</sup> and R<sup>10</sup> are  
independently selected from:

5

- (I) hydrogen,
  - (II) C<sub>1-6</sub> alkyl,
  - (III) hydroxy-C<sub>1-6</sub> alkyl, and
  - (IV) phenyl,
  - (xi) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above, and
  - (xii) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above.
- 

3. The compound of Claim 1 wherein:

R<sup>2</sup> and R<sup>3</sup> are independently selected from the group consisting of:

- 5
- (1) hydrogen,
  - (2) C<sub>1-6</sub> alkyl,
  - (3) C<sub>2-6</sub> alkenyl, and
  - (4) phenyl;

R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of:

- 10
- (1) hydrogen,
  - (2) C<sub>1-6</sub> alkyl,
  - (3) fluoro,
  - (4) chloro,
  - (5) bromo,
  - 15 (6) iodo, and
  - (7) -CF<sub>3</sub>;

R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> are independently selected from the group consisting of:

- 20
- (1) hydrogen,
  - (2) C<sub>1-6</sub> alkyl,
  - (3) fluoro,
  - (4) chloro,
  - (5) bromo,
  - 25 (6) iodo, and
  - (7) -CF<sub>3</sub>;

X is -O-;

Y is -O-; and

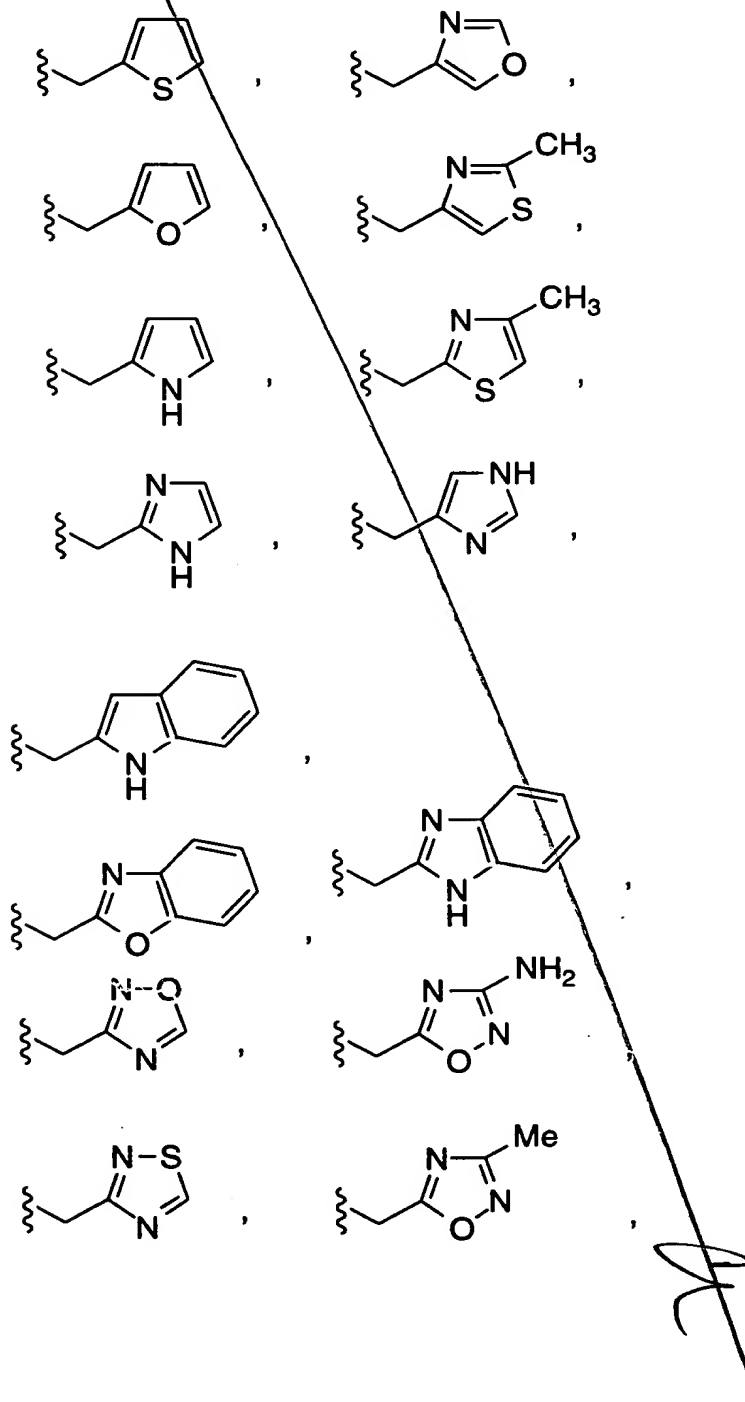
Z is C<sub>1-4</sub> alkyl.

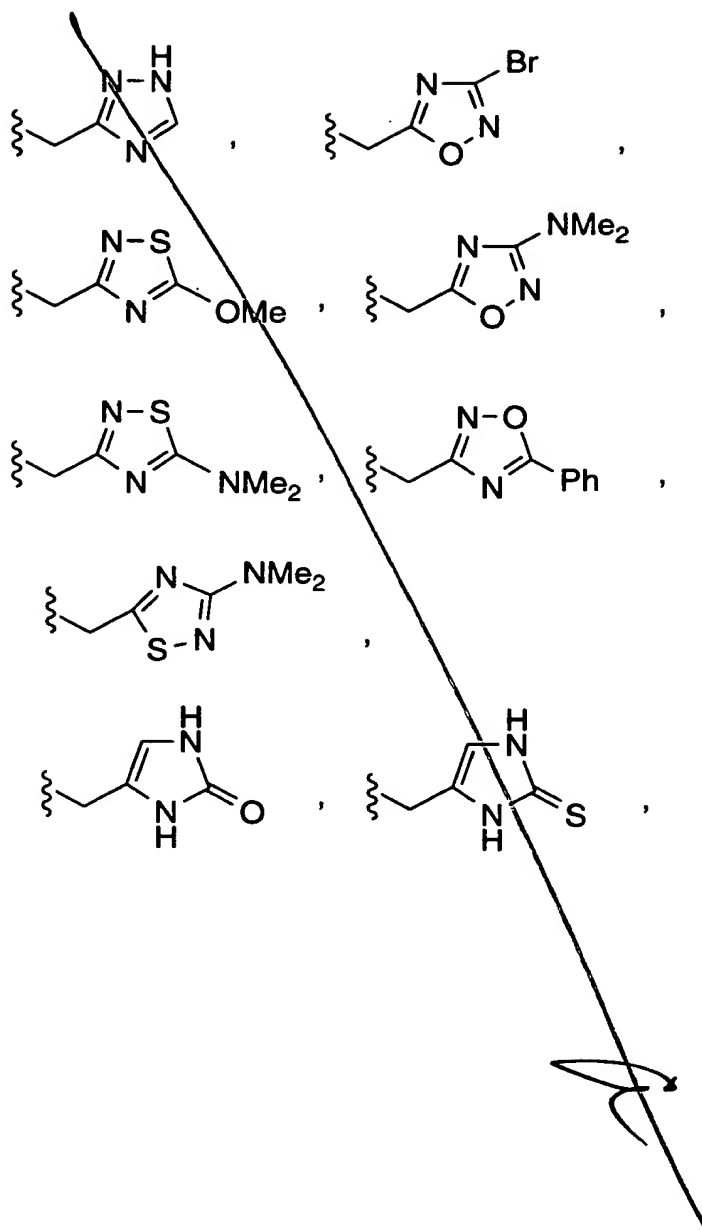
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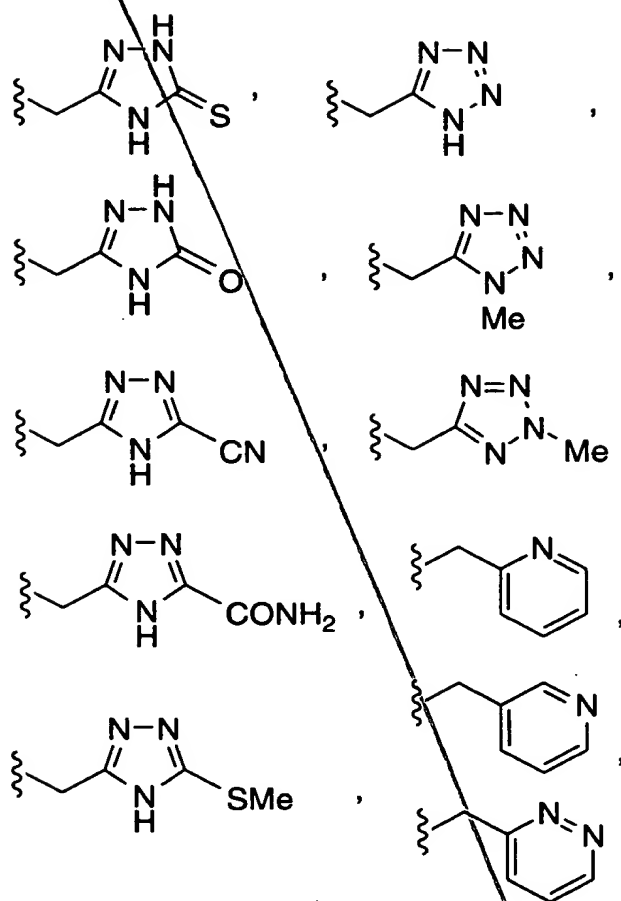
4. The compound of Claim 1 wherein Z is C<sub>1-4</sub> alkyl.

5. The compound of Claim 1 wherein Z is -CH<sub>3</sub>.

6. The compound of Claim 1 wherein R<sup>1</sup> is selected from the group consisting of:







7. The compound of Claim 1 wherein R<sup>1</sup> is selected from the group consisting of:

5

(1,2,4-triazolo)methyl; and  
(5-oxo-1H,4H-1,2,4-triazolo)methyl.

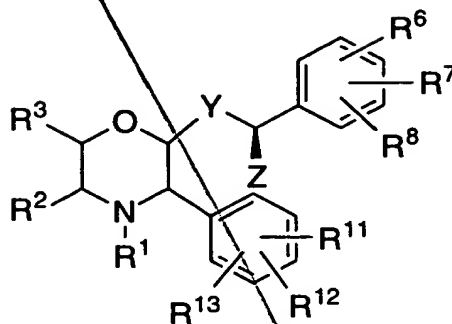
8. The compound of Claim 1 wherein R<sup>1</sup> is selected from the group consisting of:

10

(1,3-imidazolo)methyl; and  
(2-oxo-1,3-imidazolo)methyl.



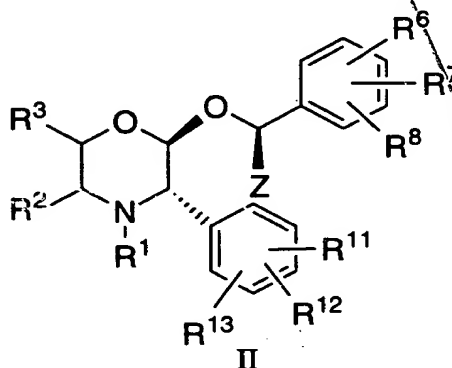
9. The compound of Claim 1 of the structural formula:



or a pharmaceutically acceptable salt thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, Y and Z are as defined in Claim 1.

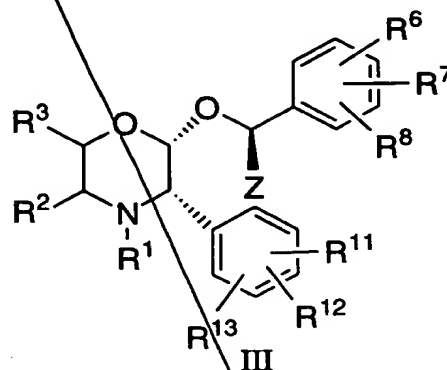
5

10. The compound of Claim 1 of the structural formula II:



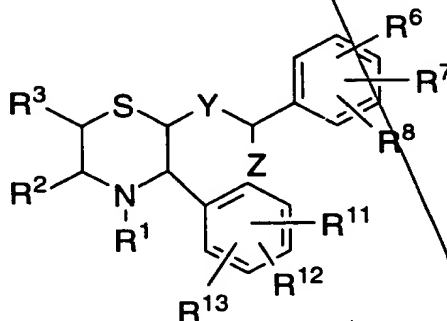
- 10 or a pharmaceutically acceptable salt thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup> and Z are as defined in Claim 1.

11. The compound of Claim 1 of the structural formula III:



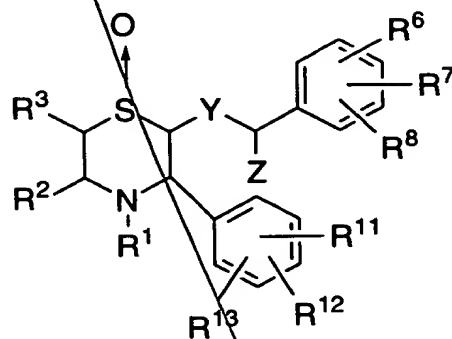
or a pharmaceutically acceptable salt thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>,  
5 R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup> and Z are as defined in Claim 1.

12. The compound of Claim 1 of the structural formula:



or a pharmaceutically acceptable salt thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>,  
10 R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, Y and Z are as defined in Claim 1.

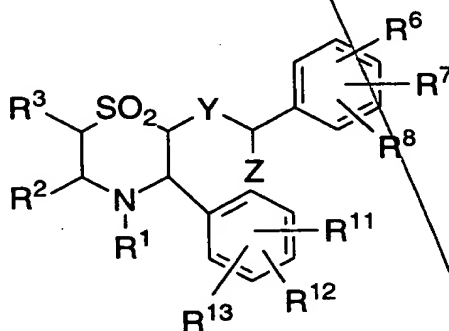
13. The compound of Claim 1 of the structural formula:



or a pharmaceutically acceptable salt thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, Y and Z are as defined in Claim 1.

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14. The compound of Claim 1 of the structural formula:

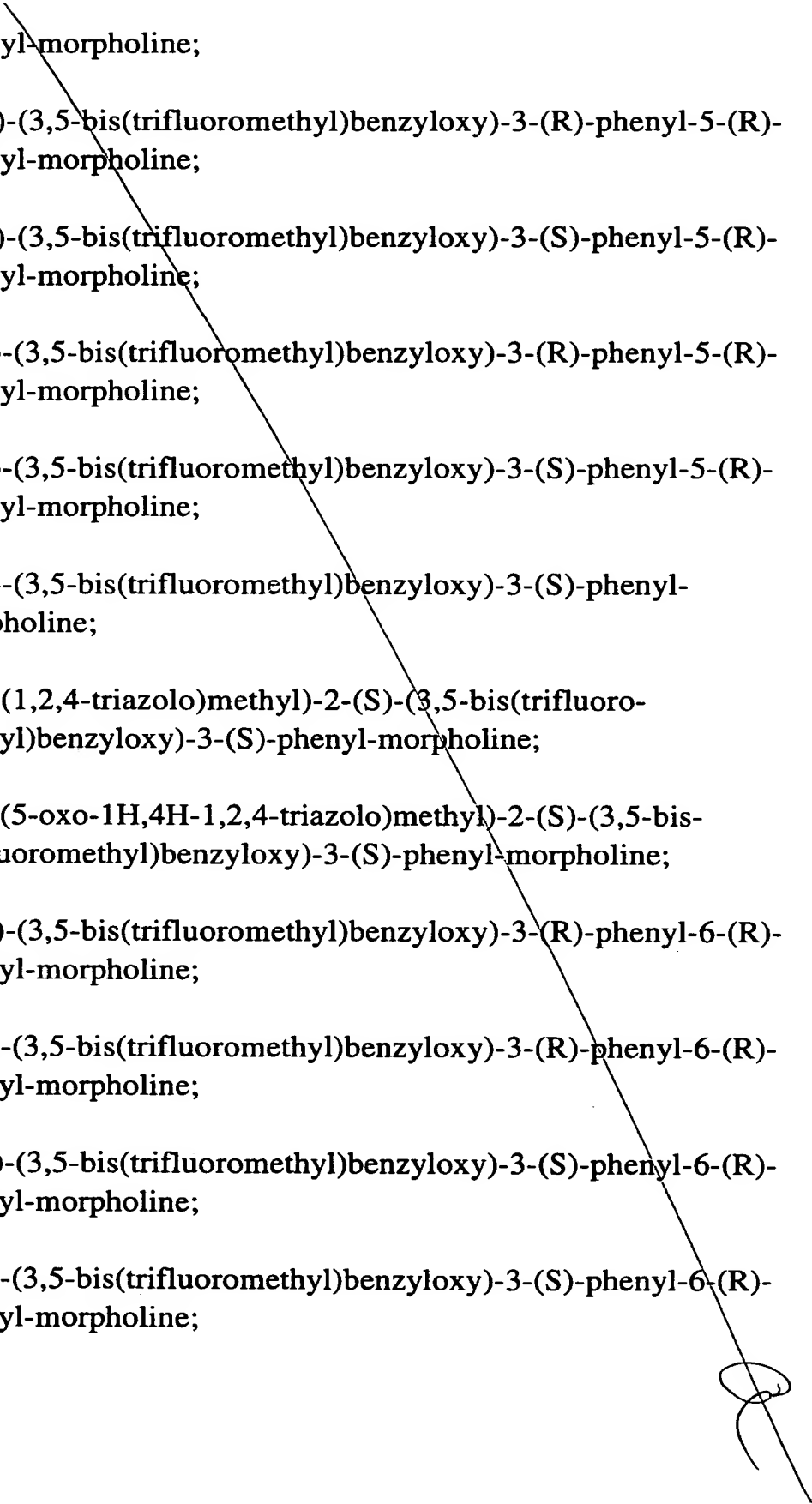


or a pharmaceutically acceptable salt thereof, wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, Y and Z are as defined in Claim 1.


10


15. A compound which is selected from the group  
consisting of:

- 5 1) (+/-)-2-(3,5-bis(trifluoromethyl)benzyloxy)-3-phenyl-morpholine;
- 2) (2R,S)-(3,5-bis(trifluoromethyl)benzyloxy)-(3R)-phenyl-(6R)-methyl-morpholine;
- 10 3) (2R,S)-(3,5-bis(trifluoromethyl)benzyloxy)-(3S)-phenyl-(6R)-methyl-morpholine;
- 4) (+/-)-2-(3,5-bis(trifluoromethyl)benzyloxy)-3-phenyl-4-methylcarboxamido-morpholine;
- 15 5) (+/-)-2-(3,5-bis(trifluoromethyl)benzyloxy)-3-phenyl-4-methoxy-carbonylmethyl-morpholine;
- 6) 2-(2-(3,5-bis(trifluoromethyl)phenyl)ethenyl)-3-phenyl-5-oxo-morpholine;
- 20 7) 3-phenyl-2-(2-(3,5-bis(trifluoromethyl)phenyl)-ethyl)-morpholine;
- 25 8) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-6-(S)-methyl-morpholine;
- 9) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-6-(S)-methyl-morpholine;
- 30 10) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-6-(S)-methyl-morpholine;
- 11) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-6-(S)-


- 5 methyl-morpholine;
- 12) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-5-(R)-methyl-morpholine;
- 13) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-5-(R)-methyl-morpholine;
- 10 14) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-5-(R)-methyl-morpholine;
- 15 15) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-5-(R)-methyl-morpholine;
- 16) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-morpholine;
- 20 17) 4-(3-(1,2,4-triazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-morpholine;
- 18) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-morpholine;
- 25 19) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-6-(R)-methyl-morpholine;
- 20) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-6-(R)-methyl-morpholine;
- 30 21) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-6-(R)-methyl-morpholine;
- 22) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-6-(R)-methyl-morpholine;
- 


- 23) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-5-(S)-methyl-morpholine;
- 5 24) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-5-(S)-methyl-morpholine;
- 25) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-5-(S)-methyl-morpholine;
- 10 26) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-5-(R)-phenyl-morpholine;
- 15 27) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-phenyl-5-(R)-phenyl-morpholine;
- 28) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-5-(S)-phenyl-morpholine;
- 20 29) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-5-(S)-phenyl-morpholine;
- 30) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-6-(R)-methyl-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 25 31) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-6-(R)-methyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-3-(S)-phenyl-morpholine;
- 32) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-morpholine;
- 30 33) 4-(3-(1,2,4-triazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-morpholine;


- 34) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(R)-phenyl-morpholine;
- 5 35) 4-(2-(imidazolo)methyl)-2-(S)-(3,5-bis(trifluoro-methyl)-benzyloxy)-3-(R)-phenyl-morpholine;
- 36) 4-(4-(imidazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)-benzyloxy)-3-(R)-phenyl-morpholine;
- 10 37) 4-(aminocarbonylmethyl)-2-(S)-(3,5-bis(trifluoromethyl)-benzyloxy)-3-(R)-phenyl-morpholine;
- 38) 4-(2-(imidazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)-benzyloxy)-3-(S)-phenyl-morpholine;
- 15 39) 4-(4-(imidazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)-benzyloxy)-3-(S)-phenyl-morpholine;
- 40) 4-(2-(imidazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)-benzyloxy)-3-(S)-phenyl-6-(R)-methyl-morpholine;
- 20 41) 4-(4-(imidazolo)methyl)-2-(S)-(3,5-bis(trifluoromethyl)-benzyloxy)-3-(S)-phenyl-6(R)-methyl-morpholine;
- 25 42) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-((6-hydroxy)-hexyl)-3-(R)-phenyl-morpholine;
- 43) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(5-(methylamino-carbonyl)pentyl)-3-(R)-phenyl-morpholine;
- 30 44) 4-(3-(1,2,4-triazolo)methyl)-2-(3,5-dimethylbenzyloxy)-3-phenylmorpholine;
- 45) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(3,5-dimethyl)-
- 


- benzyloxy)-3-phenyl-morpholine;
- 46) 4-(3-(1,2,4-triazolo)methyl)-2-(3,5-di(tert-butyl)-  
benzyloxy)-3-phenylmorpholine;
- 5
- 47) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(3,5-di(tert-butyl)-  
benzyloxy)-3-phenyl-morpholine;
- 48) 4-(3-(1,2,4-triazolo)methyl)-2-(3-(tert-butyl)-5-methyl-  
benzyloxy)-3-phenyl-morpholine;
- 10
- 49) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(3-(tert-butyl)-5-  
methylbenzyloxy)-3-phenyl-morpholine;
- 15
- 50) 4-(3-(1,2,4-triazolo)methyl)-2-(3-(trifluoro-methyl)-5-  
methyl-benzyloxy)-3-phenyl-morpholine;
- 51) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(3-(trifluoro-  
methyl)-5-methylbenzyloxy)-3-phenyl-morpholine;
- 20
- 52) 4-(3-(1,2,4-triazolo)methyl)-2-(3-(tert-butyl)-5-(trifluoro-  
methyl)benzyloxy)-3-phenyl-morpholine;
- 53) 4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-2-(3-(tert-butyl)-5-  
(trifluoromethyl)benzyloxy)-3-phenyl-morpholine;
- 25
- 54) 4-(2-(imidazolo)methyl)-2-(3,5-dimethyl-benzyloxy)-3-phenyl-  
morpholine;
- 30
- 55) 4-(4-(imidazolo)methyl)-2-(3,5-dimethyl-benzyloxy)-3-phenyl-  
morpholine;
- 56) 4-(2-(imidazolo)methyl)-2-(3,5-di(tert-butyl)-benzyloxy)-3-  
phenyl-morpholine;
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- 57) 4-(4-(imidazolo)methyl)-2-(3,5-di(tert-butyl)-benzyloxy)-3-phenyl-morpholine;
- 5 58) 4-(2-(imidazolo)methyl)-2-(3-(tert-butyl)-5-methylbenzyloxy)-3-phenyl-morpholine;
- 59) 4-(4-(imidazolo)methyl)-2-(3-(tert-butyl)-5-methylbenzyloxy)-3-phenyl-morpholine;
- 10 60) 4-(2-(imidazolo)methyl)-2-(3-(trifluoro-methyl)-5-methylbenzyloxy)-3-phenyl-morpholine;
- 61) 4-(4-(imidazolo)methyl)-2-(3-(trifluoro-methyl)-5-methylbenzyloxy)-3-phenyl-morpholine;
- 15 62) 4-(2-(imidazolo)methyl)-2-(3-(tert-butyl)-5-(trifluoromethyl)-benzyloxy)-3-phenyl-morpholine;
- 63) 2-(S)-(3,5-dichlorobenzyloxy)-3-(S)-phenyl-morpholine;
- 20 64) 2-(S)-(3,5-dichlorobenzyloxy)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-3-(S)-phenylmorpholine;
- 65) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(methoxycarbonylmethyl)-3-(S)-phenyl-morpholine;
- 25 66) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(carboxymethyl)-3-(S)-phenyl-morpholine;
- 30 67) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-((2-aminoethyl)-aminocarbonylmethyl)-3-(S)-phenyl-morpholine;
- 68) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-((3-aminopropyl)-
- 


- amino carbonylmethyl)-3-(S)-phenylmorpholine;
- 69) 4-benzyl-5-(S),6-(R)-dimethyl-3-(S)-phenylmorpholinone and 4-benzyl-5-(R),6-(S)-dimethyl-3-(S)-phenyl-morpholinone;
- 5
- 70) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-[5-(S),6-(R) or 5-(R),6-(S)-dimethyl]-3-(S)-phenyl-morpholinone;
- 71) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-[5-(R),6-(S) or 5-(S),6-(R)-dimethyl]-3-(S)-phenyl-morpholinone;
- 10
- 72) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(3-(1,2,4-triazolo)methyl)-[5-(S),6-(R) or 5-(R),6-(S)-dimethyl]-3-(S)-phenyl-morpholinone;
- 15
- 73) 2-(R)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo) methyl)-[5-(S),6-(R) or 5-(R),6-(S)-dimethyl]-3-(S)-phenyl-morpholinone;
- 20
- 74) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(3-(1,2,4-triazolo)methyl)-[5-(R),6-(S) or 5-(S),6-(R)-dimethyl]-3-(S)-phenyl-morpholinone;
- 25
- 75) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-[5-(R),6-(S) or 5-(S),6-(R)-dimethyl]-3-(S)-phenyl-morpholinone;
- 76) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(2-(1-(4-benzyl)-piperidino)ethyl)-3-(S)-phenyl-morpholine;
- 30
- 77) 3-(S)-(4-fluorophenyl)-4-benzyl-2-morpholinone;
- 78) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-(4-fluorophenyl)-4-benzyl-morpholine;
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- 79) 2-(S)-(3,5-Bis(trifluoromethyl)benzyloxy)-3-(S)-(4-fluorophenyl) morpholine;
- 5 80) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-3-(S)-(4-fluorophenyl)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 81) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-((3-pyridyl)methyl carbonyl)-3-(R)-phenyl-morpholine;
- 10 82) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(methoxycarbonylpentyl)-3-(R)-phenyl-morpholine;
- 83) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(carboxypentyl)-3-(R)-phenyl-morpholine;
- 15 84) 2-(S)-(3,5-bis(trifluoromethyl)benzyloxy)-4-(methylaminocarbonylpentyl)-6-oxo-hexyl)-3-(R)-phenyl-morpholine;
- 20 85) 2-(R)-(3,5-bis(trifluoromethyl)benzoyloxy)-3-(S)-phenyl-4-benzyl-morpholine;
- 86) 2-(R)-(1-(3,5-bis(trifluoromethyl)phenyl)ethenyloxy)-3-(S)-phenyl-4-benzyl-morpholine;
- 25 87) 2-(R)-(1-(S)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 88) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 30 89) 2-(R)-(1-(S)-(3,5-Bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 

- 5 90) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 93) 2-(R)-(1-(S)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 94) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 10 95) 2-(R)-(1-(S)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 15 96) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 98) 2-(R)-(1-(R)-(1-(3-(methyl)naphthyl))ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl-morpholine;
- 20 99) 2-(R)-(1-(R)-(3-(fluoro)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 25 100) 2-(R)-(1-(R)-(3-(fluoro)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 30 101) 2-(R)-(1-(R)-(3-(chloro)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 102) 2-(R)-(1-(R)-(3-(chloro)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 


- 103) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 5 104) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 105) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 10 106) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 107) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 15 108) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 109) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 20 110) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 25 111) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 112) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 113) 2-(R)-(1-(R)-(3-(isopropoxy)-5-trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 


- 114) 2-(R)-(1-(R)-(3-(isopropoxy)-5-trifluoromethyl)phenyl)ethoxy)-  
3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-  
morpholine;
- 5 115) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-  
phenyl-morpholine;
- 116) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-  
phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 10 117) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-  
phenyl-morpholine;
- 118) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-  
15 phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 121) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-phenyl-  
morpholine;
- 20 122) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-phenyl-  
4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 123) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-  
(S)-phenyl-morpholine;
- 25 124) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-  
(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-  
morpholine;
- 30 125) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-  
phenyl-morpholine;
- 126) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-  
phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 


- 127) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 5 128) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 129) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 10 130) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 131) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-chloro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 132) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 20 133) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 25 134) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 135) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 30 136) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
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- 153) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-morpholine;
- 5 154) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 157) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 10 158) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 15 161) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 162) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 20 165) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 166) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 169) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl-morpholine;
- 30 170) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl-morpholine;
- 173) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 





- 174) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 5 177) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
- 178) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 10 181) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 182) 2-(R)-(1-(R)-(2-fluoro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 15 185) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-morpholine;
- 186) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 20 189) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 25 190) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 193) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 194) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
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- 197) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 198) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 201) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl)-morpholine;
- 10 202) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl)-morpholine;
- 205) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 15 206) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 209) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
- 20 210) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 213) 2-(R)-(1-(R)-(2-chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 25 214) 2-(R)-(1-(R)-(2-Chloro-5-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 30 217) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-morpholine;
- 218) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
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- 221) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 5 222) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 225) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1,2,4-triazolo)methyl)-morpholine;
- 10 226) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 229) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 15 230) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 20 233) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl-morpholine;
- 234) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl-morpholine;
- 25 237) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 238) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 30 241) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
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- 242) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 5 245) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 246) 2-(R)-(1-(R)-(3-methyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 10 249) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-morpholine;
- 250) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 15 253) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl-morpholine;
- 254) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl-morpholine;
- 20 257) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 25 258) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 261) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 30 262) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 265) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl-morpholine;
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- 266) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl-morpholine;
- 5 269) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 270) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 10 273) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
- 274) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 15 277) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 20 278) 2-(R)-(1-(R)-(3-bromo)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 281) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-morpholine;
- 25 282) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 285) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 30 286) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
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- 289) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 5 290) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 293) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 294) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 297) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl-morpholine;
- 15 298) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl-morpholine;
- 301) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 20 302) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 305) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
- 25 306) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 30 309) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
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- 310) 2-(R)-(1-(R)-(3-chloro)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 5 313) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-morpholine;
- 314) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 10 317) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(3-1H,4H-1,2,4-triazolo)methyl-morpholine;
- 318) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 15 321) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 322) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 20 325) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 326) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 329) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl-morpholine;
- 30 330) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl-morpholine;
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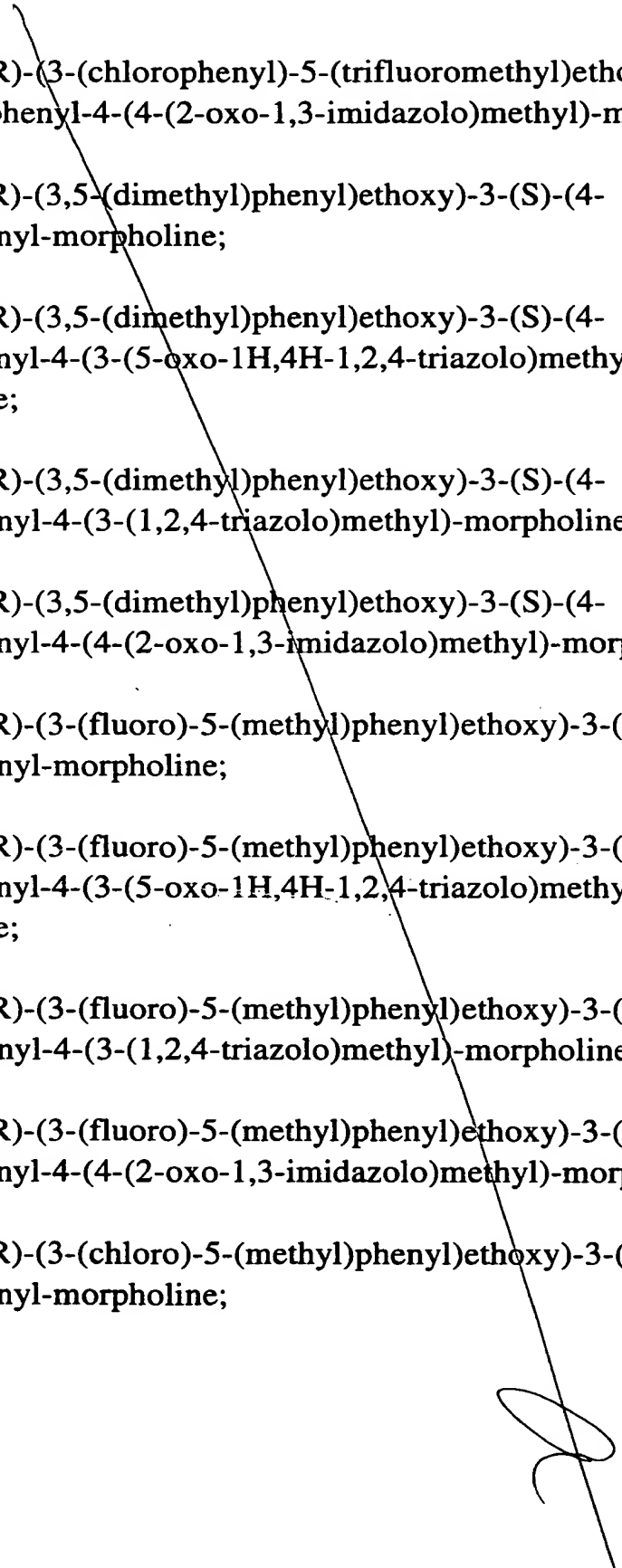
- 333) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 5 334) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 337) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
- 10 338) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 341) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 15 342) 2-(R)-(1-(R)-(3-trifluoromethyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 345) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-phenyl-morpholine;
- 20 346) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 349) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 25 350) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 30 353) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 354) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
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- 357) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl-morpholine;
- 5 358) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 361) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-phenyl-4-(2-imidazolo)methyl-morpholine;
- 10 362) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-imidazolo)methyl-morpholine;
- 365) 2-(R)-(1-(R)-(3-t-butyl)phenylethoxy)-3-(S)-phenyl-4-(4-imidazolo)methyl-morpholine;
- 15 366) 2-(R)-(1-(R)-(3-(t-butyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-imidazolo)methyl-morpholine;
- 20 369) 2-(R)-(1-(R)-(3-(t-butyl)phenyl)ethoxy)-3-(S)-phenyl-4-(5-tetrazolo)methyl-morpholine;
- 370) 2-(R)-(1-(R)-(3-(t-butyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(5-tetrazolo)methyl-morpholine;
- 25 373) 2-(R)-(1-(R)-(3-(t-butyl)phenyl)ethoxy)-3-(S)-phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 374) 2-(R)-(1-(R)-(3-(t-butyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(2-oxo-5H-pyrrol-4-yl)methyl-morpholine;
- 30 378) 2-(R)-(1-(R)-(2,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluorophenyl)-morpholine;
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- 379) 2-(R)-(1-(R)-(2,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluorophenyl)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 5 380) 2-(R)-(1-(R)-(2,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluorophenyl)-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 381) 2-(R)-(1-(R)-(2,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluorophenyl)-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 382) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 383) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 384) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 20 385) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 386) 2-(R)-(1-(R)-(3-(thiomethyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 25 387) 2-(R)-(1-(R)-(3-(thiomethyl-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 388) 2-(R)-(1-(R)-(3-(thiomethyl-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 389) 2-(R)-(1-(R)-(3-(thiomethyl-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 35


- 394) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 5 395) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 396) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 10 397) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 398) 2-(R)-(1-(R)-(3-(fluoro)-5-(trifluoromethyl)phenyl)-ethoxy)-3-(S)-(4-fluorophenyl)-morpholine;
- 15 399) 2-(R)-(1-(R)-(3-(fluorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 20 400) 2-(R)-(1-(R)-(3-(fluorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 401) 2-(R)-(1-(R)-(3-(fluorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 402) 2-(R)-(1-(R)-(3-(chloro)-5-(trifluoromethyl)phenyl)-ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 403) 2-(R)-(1-(R)-(3-(chlorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 404) 2-(R)-(1-(R)-(3-(chlorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;

- 405) 2-(R)-(1-(R)-(3-(chlorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 406) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 407) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 10
- 408) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 15 409) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 410) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
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- 411) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 25 412) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 413) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 30 414) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
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- 415) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 5 416) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 417) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 418) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 419) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 420) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 20 421) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 422) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 25 423) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 424) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
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- 425) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 426) 2-(R)-(1-(R)-(3-(isopropoxy)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 10 427) 2-(R)-(1-(R)-(3-(isopropoxy)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 428) 2-(R)-(1-(R)-(3-(isopropoxy)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 20 429) 2-(R)-(1-(R)-(3-(isopropoxy)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 430) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 30 431) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 432) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 433) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 434) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
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- 435) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 5 436) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 437) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 438) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 439) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 440) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 20 441) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 442) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 25 443) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 444) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
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- 445) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 446) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 447) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 10
- 448) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 15 449) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 450) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 20
- 451) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 25 452) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 453) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 30 454) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
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- 455) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-  
triazolo)methyl)-morpholine;
- 5 456) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 457) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-  
10 morpholine;
- 458) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(chloro)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-morpholine;
- 15 459) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(chloro)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-  
triazolo)methyl)-morpholine;
- 460) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(chloro)phenyl)ethoxy)-  
20 3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 461) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(chloro)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-  
morpholine;
- 25 462) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-(4-  
fluoro)phenyl-morpholine;
- 463) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-(4-  
30 fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-  
morpholine;
- 464) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-(4-  
fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
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- 465) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 466) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 467) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 10
- 468) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 15 469) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 494) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 20
- 495) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 25 496) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 497) 2-(R)-(1-(R)-(3-(thiomethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 30 498) 2-(R)-(1-(R)-(3-(thiomethyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
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- 499) 2-(R)-(1-(R)-(3-(thiomethyl-5-(trifluoromethyl)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-  
triazolo)methyl)-morpholine;
- 5 500) 2-(R)-(1-(R)-(3-(thiomethyl-5-(trifluoromethyl)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 501) 2-(R)-(1-(R)-(3-(thiomethyl-5-(trifluoromethyl)phenyl)ethoxy)-  
3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-  
10 morpholine;
- 506) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-(4-  
fluoro)phenyl-morpholine;
- 15 507) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-(4-  
fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-  
morpholine;
- 508) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-(4-  
20 fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 509) 2-(R)-(1-(R)-(3,5-(dimethoxy)phenyl)ethoxy)-3-(S)-(4-  
fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 510) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 511) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-  
1,2,4-triazolo)methyl)-morpholine;
- 30 512) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-  
triazolo)methyl)-morpholine;
- 513) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-  
imidazolo)methyl)-morpholine;
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- 514) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl morpholine;
- 5 515) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 516) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 10 517) 2-(R)-(1-(R)-(phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 518) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 15 519) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 520) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 20 521) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 522) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-morpholine;
- 25 523) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 524) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 525) 2-(R)-(1-(R)-(3-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
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- 526) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-morpholine;
- 5 527) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(5-  
oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 528) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-  
triazolo)methyl)-morpholine;
- 10 529) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-  
oxo-1,3-imidazolo)methyl)-morpholine;
- 530) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-  
morpholine;
- 15 531) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-  
(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 532) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-  
20 (3-(1,2,4-triazolo)methyl)-morpholine;
- 533) 2-(R)-(1-(R)-(4-(fluoro)phenyl)ethoxy)-3-(S)-(4-fluoro)phenyl-4-  
(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 534) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3-  
fluoro)phenyl-morpholine;
- 535) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3-  
fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-  
30 morpholine;
- 536) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3-  
fluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
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- 537) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3-fluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 538) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-difluoro)phenyl-morpholine;
- 539) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-difluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 10 540) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-difluoro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 541) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-difluoro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 15 542) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dichloro)phenyl-morpholine;
- 20 543) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dichloro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 544) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dichloro)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 25 545) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dichloro)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 546) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dimethyl)phenyl-morpholine;
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- 547) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dimethyl)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 5 548) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dimethyl)phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 549) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(3,4-dimethyl)phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 550) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-3,4-methylenedioxyphenyl-morpholine;
- 551) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-3,4-methylenedioxyphenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 552) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-3,4-methylenedioxyphenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 20 553) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-3,4-methylenedioxyphenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 554) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(2-naphthyl)-morpholine;
- 25 555) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(2-naphthyl)-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 556) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(2-naphthyl)-4-(3-(1,2,4-triazolo)methyl)-morpholine;
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- 557) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-(2-naphthyl)-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 558) 2-(R)-(1-(R)-(3-(fluorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 559) 2-(R)-(1-(R)-(3-(fluorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 560) 2-(R)-(1-(R)-(3-(chlorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 561) 2-(R)-(1-(R)-(3-(chlorophenyl)-5-(trifluoromethyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 15 562) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 563) 2-(R)-(1-(R)-(3,5-(dimethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 20 564) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 565) 2-(R)-(1-(R)-(3-(fluoro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 566) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 567) 2-(R)-(1-(R)-(3-(chloro)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 



- 568) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 5 569) 2-(R)-(1-(R)-(3-(bromo)-5-(methyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 570) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 10 571) 2-(R)-(1-(R)-(3-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 572) 2-(R)-(1-(R)-(3-(isopropoxy)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 15 573) 2-(R)-(1-(R)-(3-(isopropoxy)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 574) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 20 575) 2-(R)-(1-(R)-(3-(chloro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 25 576) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 577) 2-(R)-(1-(R)-(3-(fluoro)-5-(isopropoxy)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 30 578) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
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- 579) 2-(R)-(1-(R)-(3-(t-butyl)-5-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 5 580) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 581) 2-(R)-(1-(R)-(3-(t-butyl)-5-(trifluoromethyl)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 10 582) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 583) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 15 584) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 585) 2-(R)-(1-(R)-(3,5-(dimethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 20 586) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 25 587) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(fluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 588) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(-1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 30 589) 2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)-4-(chloro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 

- 590) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1H,4H-1,2,4-triazolo)methyl)-morpholine;
- 5 591) 2-(R)-(1-(R)-(3,5-(dichloro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;
- 592) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(3-(1,2,4-triazolo)methyl)-morpholine;
- 10 593) 2-(R)-(1-(R)-(3,5-(difluoro)phenyl)ethoxy)-3-(S)-phenyl-4-(4-(2-oxo-1,3-imidazolo)methyl)-morpholine;

or a pharmaceutically acceptable salt thereof.

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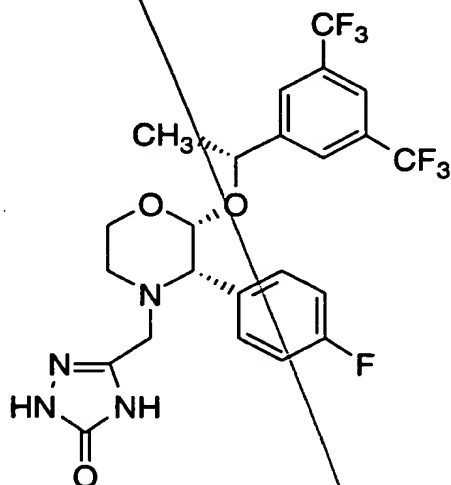


16. A compound which is:

2-(R)-(1-(R)-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(S)-  
(4-fluoro)phenyl-4-(3-(5-oxo-1H,4H-1,2,4-triazolo)methyl-  
morpholine;

or a pharmaceutically acceptable salt thereof.

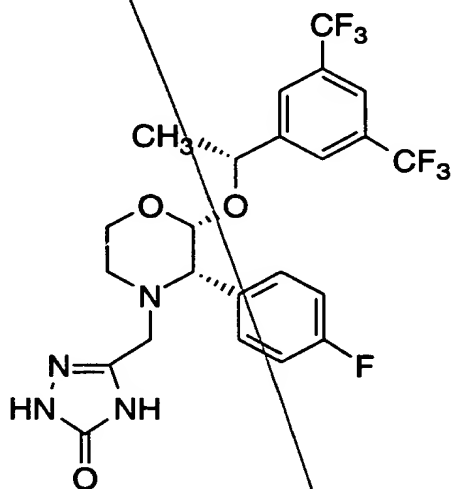
17. A compound which is:



or a pharmaceutically acceptable salt thereof.

18. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and an effective amount of the compound of Claim 1.

5 ~~19.~~ A pharmaceutical composition comprising a pharmaceutically acceptable carrier and an effective amount of the compound of a compound which is:



or a pharmaceutically acceptable salt thereof.

10

20. A method for antagonizing the effect of substance P at its receptor site or for the blockade of neurokinin-1 receptors in a mammal which comprises the administration to the mammal of the compound of Claim 1 in an amount that is effective for antagonizing the effect of substance P at its receptor site in the mammal.

21. A method for antagonizing the effect of neurokinin A at its receptor site or for the blockade of neurokinin-2 receptors in a mammal which comprises the administration to the mammal of the compound of Claim 1 in an amount that is effective for antagonizing the effect of neurokinin A at its receptor site in the mammal.

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22. A method of treating or preventing pain or nociception attributable to or associated with migraine in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the compound of Claim 1.

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23. A method of treating or preventing a condition selected from the group consisting of: diabetic neuropathy; peripheral neuropathy; AIDS related neuropathy; chemotherapy-induced neuropathy; and neuralgia, in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the compound of Claim 1.

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24. A method for the treatment or prevention of asthma in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the compound of Claim 1, either alone or in combination with a neurokinin-2 receptor antagonist or with a  $\beta_2$ -adrenergic receptor agonist.

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25. A method for the treatment of cystic fibrosis in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the compound of Claim 1.

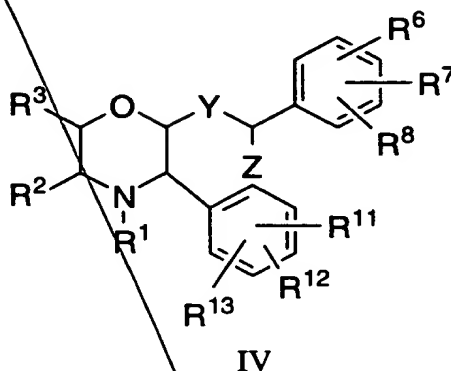
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26. A method for the treatment or prevention of emesis in a mammal in need thereof which comprises the administration to the mammal of an effective amount of the compound of Claim 1.

25



27. A process for the preparation of a compound of structural formula IV:

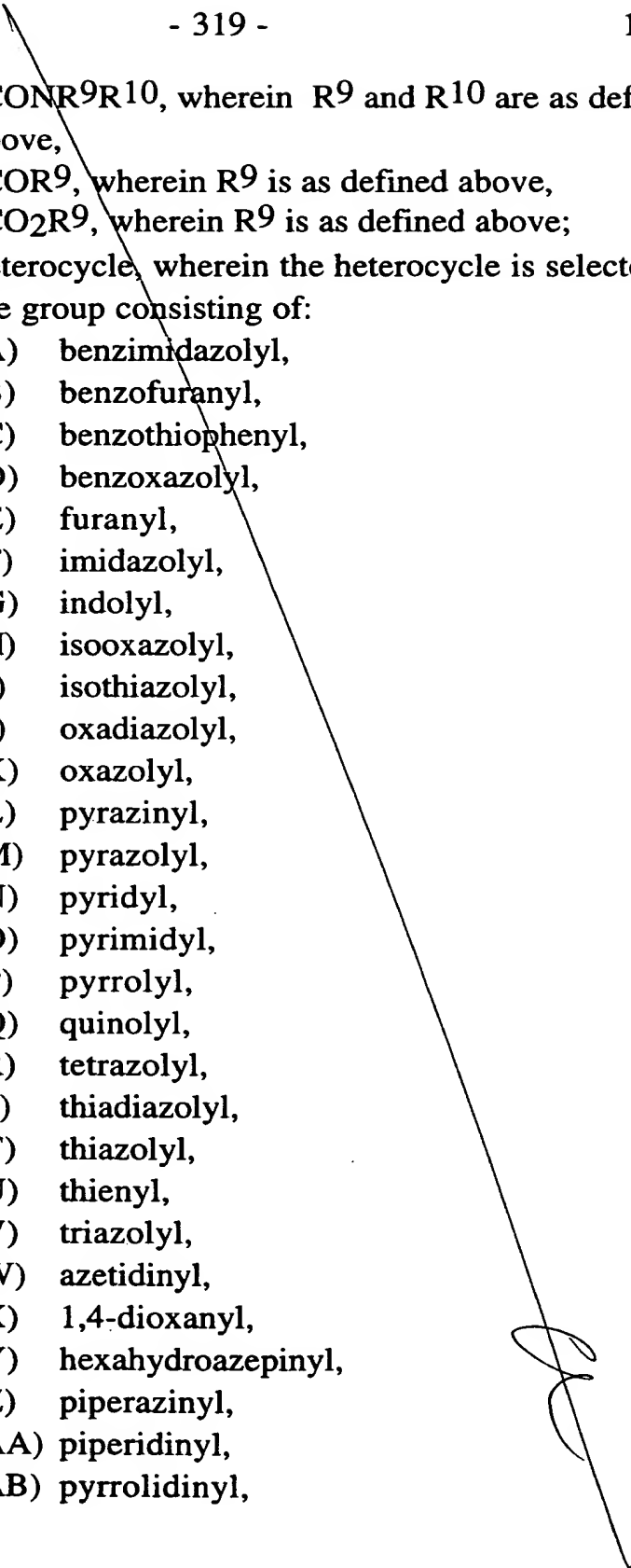


or a pharmaceutically acceptable salt thereof, wherein:

5

R<sup>1</sup> is selected from the group consisting of:

- (1) hydrogen;
- (2) C<sub>1</sub>-6 alkyl, unsubstituted or substituted with one or more of the substituents selected from:
  - 10 (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1</sub>-6 alkoxy,
  - (d) phenyl-C<sub>1</sub>-3 alkoxy,
  - (e) phenyl,
  - 15 (f) -CN,
  - (g) halo, wherein halo is fluoro, chloro, bromo or iodo,
  - (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are independently selected from:
    - 20 (i) hydrogen,
    - (ii) C<sub>1</sub>-6 alkyl,
    - (iii) hydroxy-C<sub>1</sub>-6 alkyl, and
    - (iv) phenyl,
  - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - 25 (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

- 5
- (k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above,
- (m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (n) heterocycle, wherein the heterocycle is selected from the group consisting of:
- 10
- (A) benzimidazolyl,
- (B) benzofuranyl,
- (C) benzothiophenyl,
- (D) benzoxazolyl,
- (E) furanyl,
- (F) imidazolyl,
- (G) indolyl,
- (H) isooxazolyl,
- 15
- (I) isothiazolyl,
- (J) oxadiazolyl,
- (K) oxazolyl,
- (L) pyrazinyl,
- (M) pyrazolyl,
- 20
- (N) pyridyl,
- (O) pyrimidyl,
- (P) pyrrolyl,
- (Q) quinolyl,
- (R) tetrazolyl,
- 25
- (S) thiadiazolyl,
- (T) thiazolyl,
- (U) thienyl,
- (V) triazolyl,
- (W) azetidiny,
- 30
- (X) 1,4-dioxanyl,
- (Y) hexahydroazepinyl,
- (Z) piperazinyl,
- (AA) piperidinyl,
- (AB) pyrrolidinyl,
- 



(AC) tetrahydrofuranyl, and

(AD) tetrahydrothienyl,

and wherein the heterocycle is unsubstituted or substituted with one or more substituent(s)

selected from:

(i) C<sub>1-6</sub> alkyl, unsubstituted or substituted with halo, -CF<sub>3</sub>, -OCH<sub>3</sub>, or phenyl,

(ii) C<sub>1-6</sub> alkoxy,

(iii) oxo,

(iv) hydroxy,

(v) thioxo,

(vi) -SR<sup>9</sup>, wherein R<sup>9</sup> is as defined above,

(vii) halo,

(viii) cyano,

(ix) phenyl,

(x) trifluoromethyl,

(xi) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m is 0, 1 or 2, and R<sup>9</sup> and R<sup>10</sup> are as defined above,

(xii) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

(xiii) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

(xiv) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and

(xv) -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>9</sup>, wherein m and R<sup>9</sup> are as defined above;

(3) C<sub>2-6</sub> alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:


(a) hydroxy,

(b) oxo,

(c) C<sub>1-6</sub> alkoxy,

(d) phenyl-C<sub>1-3</sub> alkoxy,

(e) phenyl,

- 5
- (f) -CN,  
(g) halo,  
(h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,  
(j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above,  
(k) heterocycle, wherein the heterocycle is as defined above;
- 10
- (4) C<sub>2</sub>-6 alkynyl;  
(5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- 15
- (a) hydroxy,  
(b) C<sub>1</sub>-6 alkoxy,  
(c) C<sub>1</sub>-6 alkyl,  
(d) C<sub>2</sub>-5 alkenyl,  
(e) halo,  
(f) -CN,  
(g) -NO<sub>2</sub>,  
(h) -CF<sub>3</sub>,
- 20
- (i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 25
- (l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(m) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 30
- (n) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above;  
(o) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- 

R<sup>2</sup> and R<sup>3</sup> are independently selected from the group consisting of:

- (1) hydrogen,
- (2) C<sub>1-6</sub> alkyl, unsubstituted or substituted with one or more of the substituents selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1-6</sub> alkoxy,
  - (d) phenyl-C<sub>1-3</sub> alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,
  - (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and
  - (m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (3) C<sub>2-6</sub> alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1-6</sub> alkoxy,
  - (d) phenyl-C<sub>1-3</sub> alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,
  - (h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,
  - (j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;

- (4) C2-6 alkynyl;
- (5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,
  - (b) C1-6 alkoxy,
  - (c) C1-6 alkyl,
  - (d) C2-5 alkenyl,
  - (e) halo,
  - (f) -CN,
  - (g) -NO<sub>2</sub>,
  - (h) -CF<sub>3</sub>,
  - (i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (m) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (n) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
  - (o) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- and the groups R<sup>1</sup> and R<sup>2</sup> may be joined together to form a heterocyclic ring selected from the group consisting of:
- (a) pyrrolidinyl,
  - (b) piperidinyl,
  - (c) pyrrolyl,
  - (d) pyridinyl,
  - (e) imidazolyl,
  - (f) oxazolyl, and
  - (g) thiazolyl,
- and wherein the heterocyclic ring is unsubstituted or

substituted with one or more substituent(s) selected from:

- (i) C<sub>1-6</sub>alkyl,
- (ii) oxo,
- (iii) C<sub>1-6</sub>alkoxy,
- 5 (iv) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (v) halo, and
- (vi) trifluoromethyl;

10 and the groups R<sup>2</sup> and R<sup>3</sup> may be joined together to form a carbocyclic ring selected from the group consisting of:

- (a) cyclopentyl,
- (b) cyclohexyl,
- (c) phenyl,

15 and wherein the carbocyclic ring is unsubstituted or substituted with one or more substituents selected from:

- (i) C<sub>1-6</sub>alkyl,
- (ii) C<sub>1-6</sub>alkoxy,
- 20 (iii) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (iv) halo, and
- (v) trifluoromethyl;

25 and the groups R<sup>2</sup> and R<sup>3</sup> may be joined together to form a heterocyclic ring selected from the group consisting of:

- (a) pyrrolidinyl,
- (b) piperidinyl,
- (c) pyrrolyl,
- (d) pyridinyl,
- 30 (e) imidazolyl,
- (f) furanyl,
- (g) oxazolyl,
- (h) thienyl, and
- (i) thiazolyl,

and wherein the heterocyclic ring is unsubstituted or substituted with one or more substituent(s) selected from:

- (i) C<sub>1-6</sub>alkyl,
- (ii) oxo,
- (iii) C<sub>1-6</sub>alkoxy,
- (iv) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (v) halo, and
- (vi) trifluoromethyl;

X is selected from the group consisting of:

- (1) -O-,
- (2) -S-,
- (3) -SO-, and
- (4) -SO<sub>2</sub>-;

R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of:

- (1) hydrogen;
- (2) C<sub>1-6</sub> alkyl, unsubstituted or substituted with one or more of the substituents selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1-6</sub> alkoxy,
  - (d) phenyl-C<sub>1-3</sub> alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,
  - (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

- (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and  
(m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (3) C<sub>2</sub>-6 alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,  
(b) oxo,  
(c) C<sub>1</sub>-6 alkoxy,  
(d) phenyl-C<sub>1</sub>-3 alkoxy,  
(e) phenyl,  
(f) -CN,  
(g) halo,  
(h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,  
(j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (4) C<sub>2</sub>-6 alkynyl;
- (5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,  
(b) C<sub>1</sub>-6 alkoxy,  
(c) C<sub>1</sub>-6 alkyl,  
(d) C<sub>2</sub>-5 alkenyl,  
(e) halo,  
(f) -CN,  
(g) -NO<sub>2</sub>,  
(h) -CF<sub>3</sub>,  
(i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

- (m)  $-\text{CO}_2\text{NR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
(n)  $-\text{COR}^9$ , wherein  $\text{R}^9$  is as defined above;  
(o)  $-\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above;
- 5 (6) halo,  
(7)  $-\text{CN}$ ,  
(8)  $-\text{CF}_3$ ,  
(9)  $-\text{NO}_2$ ,  
(10)  $-\text{SR}^{14}$ , wherein  $\text{R}^{14}$  is hydrogen or  $\text{C}_{1-5}$ alkyl,  
10 (11)  $-\text{SOR}^{14}$ , wherein  $\text{R}^{14}$  is as defined above,  
(12)  $-\text{SO}_2\text{R}^{14}$ , wherein  $\text{R}^{14}$  is as defined above,  
(13)  $\text{NR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
(14)  $\text{CONR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
(15)  $\text{NR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
15 (16)  $\text{NR}^9\text{CO}_2\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
(17) hydroxy,  
(18)  $\text{C}_{1-6}$ alkoxy,  
(19)  $\text{COR}^9$ , wherein  $\text{R}^9$  is as defined above,  
(20)  $\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above,  
20 (21) 2-pyridyl,  
(22) 3-pyridyl,  
(23) 4-pyridyl,  
(24) 5-tetrazolyl,  
(25) 2-oxazolyl, and  
25 (26) 2-thiazolyl;

$\text{R}^{11}$ ,  $\text{R}^{12}$  and  $\text{R}^{13}$  are independently selected from the definitions of  $\text{R}^6$ ,  $\text{R}^7$  and  $\text{R}^8$ ;




Y is selected from the group consisting of:

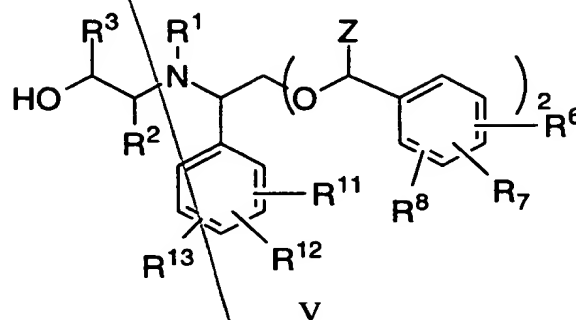
- (1) a single bond,
- (2) -O-,
- (3) -S-,
- 5 (4) -CO-,
- (5) -CH<sub>2</sub>-,
- (6) -CHR<sup>15</sup>-, and
- (7) -CR<sup>15</sup>R<sup>16</sup>-, wherein R<sup>15</sup> and R<sup>16</sup> are independently selected from the group consisting of:
  - 10 (a) C<sub>1-6</sub> alkyl, unsubstituted or substituted with one or more of the substituents selected from:
    - (i) hydroxy,
    - (ii) oxo,
    - 15 (iii) C<sub>1-6</sub> alkoxy,
    - (iv) phenyl-C<sub>1-3</sub> alkoxy,
    - (v) phenyl,
    - (vi) -CN,
    - (vii) halo,
    - 20 (viii) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - (ix) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - (x) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - 25 (xi) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - (xii) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and
    - (xiii) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
  - 30 (b) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
    - (i) hydroxy,
    - (ii) C<sub>1-6</sub> alkoxy,
    - (iii) C<sub>1-6</sub> alkyl,

- 5
- (iv) C<sub>2-5</sub> alkenyl,  
(v) halo,  
(vi) -CN,  
(vii) -NO<sub>2</sub>,  
(viii) -CF<sub>3</sub>,  
(ix) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup>  
are as defined above,  
(x) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as  
defined above,  
10 (xi) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as  
defined above,  
(xii) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as  
defined above,  
(xiii) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as  
15 defined above,  
(xiv) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and  
(xv) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;

20 Z is C<sub>1-6</sub> alkyl;

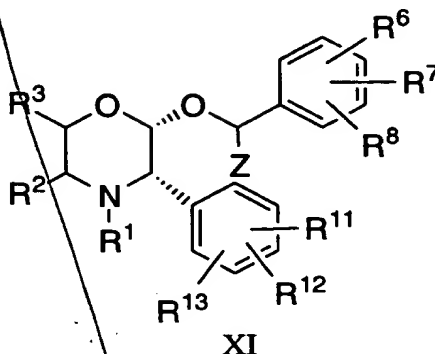


which comprises contacting a compound of formula V:



- 5 wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> are as defined above;  
with an inorganic or an organic acid selected from the group consisting of:
  - toluenesulfonic acid, methanesulfonic acid, sulfuric acid,
- 10 hydrochloric acid and mixtures thereof,  
in an aprotic solvent selected from the group consisting of:
  - toluene, benzene, dimethylformamide, tetrahydrofuran,
  - diethylether, dimethoxyethane, ethyl acetate, and mixtures thereof,
- 15 at a temperature from 0°C to solvent reflux temperature for a sufficient time to produce a compound of structural formula IV.

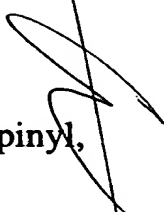
28. A process for the preparation of a compound of structural formula XI:



or a pharmaceutically acceptable salt thereof, wherein:

5 R<sup>1</sup> is selected from the group consisting of:

- (1) hydrogen;
- (2) C<sub>1</sub>-6 alkyl, unsubstituted or substituted with one or more of the substituents selected from:
  - (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1</sub>-6 alkoxy,
  - (d) phenyl-C<sub>1</sub>-3 alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,
  - (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are independently selected from:
    - (i) hydrogen,
    - (ii) C<sub>1</sub>-6 alkyl,
    - (iii) hydroxy-C<sub>1</sub>-6 alkyl, and
    - (iv) phenyl,
  - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

- (k) ~~-CONR<sup>9</sup>R<sup>10</sup>~~, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (l) ~~-COR<sup>9</sup>~~, wherein R<sup>9</sup> is as defined above,
- (m) ~~-CO<sub>2</sub>R<sup>9</sup>~~, wherein R<sup>9</sup> is as defined above;
- 5 (n) heterocycle, wherein the heterocycle is selected from the group consisting of:
- (A) benzimidazolyl,
- (B) benzofuranyl,
- (C) benzothiophenyl,
- 10 (D) benzoxazolyl,
- (E) furanyl,
- (F) imidazolyl,
- (G) indolyl,
- (H) isooxazolyl,
- 15 (I) isothiazolyl,
- (J) oxadiazolyl,
- (K) oxazolyl,
- (L) pyrazinyl,
- (M) pyrazolyl,
- 20 (N) pyridyl,
- (O) pyrimidyl,
- (P) pyrrolyl,
- (Q) quinolyl,
- (R) tetrazolyl,
- 25 (S) thiadiazolyl,
- (T) thiazolyl,
- (U) thienyl,
- (V) triazolyl,
- (W) azetidiny, 
- 30 (X) 1,4-dioxanyl,
- (Y) hexahydroazepinyl,
- (Z) piperazinyl,
- (AA) piperidinyl,
- (AB) pyrrolidinyl,

(AC) tetrahydrofuranyl, and

(AD) tetrahydrothienyl,


and wherein the heterocycle is unsubstituted or substituted with one or more substituent(s) selected from:

- (i) C<sub>1-6</sub> alkyl, unsubstituted or substituted with halo, -CF<sub>3</sub>, -OCH<sub>3</sub>, or phenyl,
  - (ii) C<sub>1-6</sub> alkoxy,
  - (iii) oxo,
  - (iv) hydroxy,
  - (v) thioxo,
  - (vi) -SR<sup>9</sup>, wherein R<sup>9</sup> is as defined above,
  - (vii) halo,
  - (viii) cyano,
  - (ix) phenyl,
  - (x) trifluoromethyl,
  - (xi) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m is 0, 1 or 2, and R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (xii) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (xiii) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
  - (xiv) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and
  - (xv) -(CH<sub>2</sub>)<sub>m</sub>-OR<sup>9</sup>, wherein m and R<sup>9</sup> are as defined above;
- (3) C<sub>2-6</sub> alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,
  - (b) oxo,
  - (c) C<sub>1-6</sub> alkoxy,
  - (d) phenyl-C<sub>1-3</sub> alkoxy,
  - (e) phenyl,
  - (f) -CN,
  - (g) halo,

- 5
- (h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,
- (j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above,
- (k) heterocycle, wherein the heterocycle is as defined above;
- (4) C<sub>2-6</sub> alkynyl;
- (5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- 10
- (a) hydroxy,
- (b) C<sub>1-6</sub> alkoxy,
- (c) C<sub>1-6</sub> alkyl,
- (d) C<sub>2-5</sub> alkenyl,
- (e) halo,
- 15
- (f) -CN,
- (g) -NO<sub>2</sub>,
- (h) -CF<sub>3</sub>,
- (i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 20
- (j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 25
- (m) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (n) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (o) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- 30

R<sup>2</sup> and R<sup>3</sup> are independently selected from the group consisting of:

- (1) hydrogen,
- (2) C<sub>1-6</sub> alkyl, unsubstituted or substituted with one or more of the substituents selected from:

- 5
- (a) hydroxy,  
(b) oxo,  
(c) C1-6 alkoxy,  
(d) phenyl-C1-3 alkoxy,  
(e) phenyl,  
(f) -CN,  
(g) halo,  
(h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,  
(i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined  
10 above,  
(j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined  
above,  
(k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined  
above,  
15 (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and  
(m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (3) C2-6 alkenyl, unsubstituted or substituted with one or more  
of the substituent(s) selected from:  
20 (a) hydroxy,  
(b) oxo,  
(c) C1-6 alkoxy,  
(d) phenyl-C1-3 alkoxy,  
(e) phenyl,  
(f) -CN,  
25 (g) halo,  
(h) -CONR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> and R<sup>10</sup> are as defined  
above,  
(i) -COR<sup>9</sup> wherein R<sup>9</sup> is as defined above,  
(j) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;  
30 (4) C2-6 alkynyl;  
(5) phenyl, unsubstituted or substituted with one or more of the  
substituent(s) selected from:  
(a) hydroxy,  
(b) C1-6 alkoxy,
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- (c) C<sub>1-6</sub> alkyl,
- (d) C<sub>2-5</sub> alkenyl,
- (e) halo,
- (f) -CN,
- (g) -NO<sub>2</sub>,
- (h) -CF<sub>3</sub>,
- (i) -(CH<sub>2</sub>)<sub>m</sub>-NR<sup>9</sup>R<sup>10</sup>, wherein m, R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (j) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (k) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (l) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (m) -CO<sub>2</sub>NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- (n) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
- (o) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;

and the groups R<sup>1</sup> and R<sup>2</sup> may be joined together to form a heterocyclic ring selected from the group consisting of:

- (a) pyrrolidinyl,
- (b) piperidinyl,
- (c) pyrrolyl,
- (d) pyridinyl,
- (e) imidazolyl,
- (f) oxazolyl, and
- (g) thiazolyl,

and wherein the heterocyclic ring is unsubstituted or substituted with one or more substituent(s) selected from:

- (i) C<sub>1-6</sub>alkyl,
- (ii) oxo,
- (iii) C<sub>1-6</sub>alkoxy,
- (iv) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

- (v) halo, and
- (vi) trifluoromethyl;

and the groups R<sup>2</sup> and R<sup>3</sup> may be joined together to form a carbocyclic ring selected from the group consisting of:

- 5 (a) cyclopentyl,
- (b) cyclohexyl,
- (c) phenyl,

and wherein the carbocyclic ring is unsubstituted or substituted with one or more substituents selected from:

- 10 (i) C<sub>1-6</sub>alkyl,
- (ii) C<sub>1-6</sub>alkoxy,
- (iii) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
- 15 (iv) halo, and
- (v) trifluoromethyl;

and the groups R<sup>2</sup> and R<sup>3</sup> may be joined together to form a heterocyclic ring selected from the group consisting of:


- 20 (a) pyrrolidinyl,
- (b) piperidinyl,
- (c) pyrrolyl,
- (d) pyridinyl,
- (e) imidazolyl,
- (f) furanyl,
- 25 (g) oxazolyl,
- (h) thienyl, and
- (i) thiazolyl,


and wherein the heterocyclic ring is unsubstituted or substituted with one or more substituent(s) selected from:

- 30 (i) C<sub>1-6</sub>alkyl,
- (ii) oxo,
- (iii) C<sub>1-6</sub>alkoxy,
- (iv) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,

- (v) halo, and
- (vi) trifluoromethyl;

R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of:

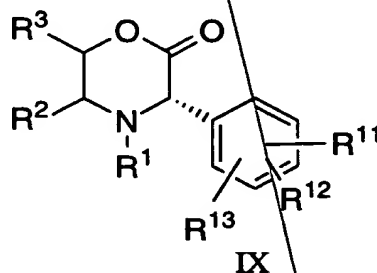
- 5 (1) hydrogen;
  - (2) C<sub>1-6</sub> alkyl, unsubstituted or substituted with one or more of the substituents selected from:
    - (a) hydroxy,
    - (b) oxo,
    - 10 (c) C<sub>1-6</sub> alkoxy,
    - (d) phenyl-C<sub>1-3</sub> alkoxy,
    - (e) phenyl,
    - (f) -CN,
    - (g) halo,
    - 15 (h) -NR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - (i) -NR<sup>9</sup>COR<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - (j) -NR<sup>9</sup>CO<sub>2</sub>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - 20 (k) -CONR<sup>9</sup>R<sup>10</sup>, wherein R<sup>9</sup> and R<sup>10</sup> are as defined above,
    - (l) -COR<sup>9</sup>, wherein R<sup>9</sup> is as defined above, and
    - (m) -CO<sub>2</sub>R<sup>9</sup>, wherein R<sup>9</sup> is as defined above;
  - 25 (3) C<sub>2-6</sub> alkenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
    - (a) hydroxy,
    - (b) oxo,
    - (c) C<sub>1-6</sub> alkoxy,
    - 30 (d) phenyl-C<sub>1-3</sub> alkoxy,
    - (e) phenyl,
    - (f) -CN,
    - (g) halo,
- 

- 5
- (h)  $-\text{CONR}^9\text{R}^{10}$  wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (i)  $-\text{COR}^9$  wherein  $\text{R}^9$  is as defined above,
- (j)  $-\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above;
- 10 (4) C2-6 alkynyl;
- (5) phenyl, unsubstituted or substituted with one or more of the substituent(s) selected from:
- (a) hydroxy,
- (b) C1-6 alkoxy,
- 15 (c) C1-6 alkyl,
- (d) C2-5 alkenyl,
- (e) halo,
- (f)  $-\text{CN}$ ,
- (g)  $-\text{NO}_2$ ,
- 20 (h)  $-\text{CF}_3$ ,
- (i)  $-(\text{CH}_2)_m-\text{NR}^9\text{R}^{10}$ , wherein  $m$ ,  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (j)  $-\text{NR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- 25 (k)  $-\text{NR}^9\text{CO}_2\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (l)  $-\text{CONR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- (m)  $-\text{CO}_2\text{NR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,
- 30 (n)  $-\text{COR}^9$ , wherein  $\text{R}^9$  is as defined above;
- (o)  $-\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above;
- (6) halo,
- (7)  $-\text{CN}$ ,
- (8)  $-\text{CF}_3$ ,
- (9)  $-\text{NO}_2$ ,
- (10)  $-\text{SR}^{14}$ , wherein  $\text{R}^{14}$  is hydrogen or C1-6alkyl,
- (11)  $-\text{SOR}^{14}$ , wherein  $\text{R}^{14}$  is as defined above,
- (12)  $-\text{SO}_2\text{R}^{14}$ , wherein  $\text{R}^{14}$  is as defined above,
- 

- (13)  $\text{NR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
 (14)  $\text{CONR}^9\text{COR}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
 (15)  $\text{NR}^9\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
 (16)  $\text{NR}^9\text{CO}_2\text{R}^{10}$ , wherein  $\text{R}^9$  and  $\text{R}^{10}$  are as defined above,  
 5 (17) hydroxy,  
 (18)  $\text{C}_{1-6}$ alkoxy,  
 (19)  $\text{COR}^9$ , wherein  $\text{R}^9$  is as defined above,  
 (20)  $\text{CO}_2\text{R}^9$ , wherein  $\text{R}^9$  is as defined above,  
 (21) 2-pyridyl,  
 10 (22) 3-pyridyl,  
 (23) 4-pyridyl,  
 (24) 5-tetrazolyl,  
 (25) 2-oxazolyl, and  
 (26) 2-thiazolyl;

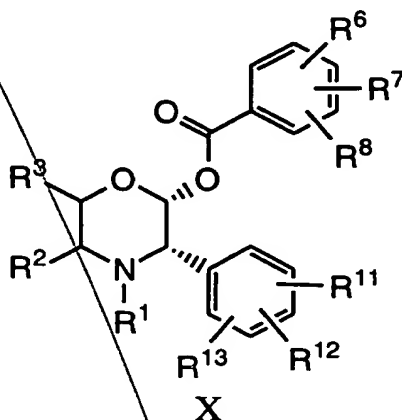
15  $\text{R}^{11}$ ,  $\text{R}^{12}$  and  $\text{R}^{13}$  are independently selected from the definitions of  $\text{R}^6$ ,  $\text{R}^7$  and  $\text{R}^8$ ;  
 $\text{Z}$  is  $\text{C}_{1-6}$  alkyl;

20 which comprises contacting a compound of formula IX:



wherein  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$ ,  $\text{R}^{11}$ ,  $\text{R}^{12}$  and  $\text{R}^{13}$  are defined as above;  
 with a hydride reducing agent selected from a group consisting of:  
 diisobutylaluminum hydride: lithium tri(sec-butyl)borohydride: and  
 25 lithium aluminum hydride; in an organic solvent at low temperature;  
 followed by acylation of the resultant alcohol/alkoxide with a substituted  
 benzoyl halide, substituted benzoic anhydride, substituted benzoic mixed  
 anhydride or substituted activated benzoate ester (e.g. p-nitrophenyl

ester or N-hydroxysuccinimide ester), in which the phenyl ring of these acylating agents is substituted with R<sup>6</sup>, R<sup>7</sup>, and R<sup>8</sup> as defined above, in an organic solvent at low temperature for a sufficient time to produce a compound of structural formula X:



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and subsequently contacting the compound of formula X with a titanium ylide (generated from reagents selected from:  $\mu$ -chloro- $\mu$ -methylene-(bis(cyclopentadienyl)titanium)dimethylaluminum; or dimethyl titanocene; or the reagent prepared by the reduction of a 1,1-dibromoalkane with zinc and titanium tetrachloride in the presence of N,N,N',N'-tetramethylethylenediamine) to afford an enol ether which is then hydrogenated in the presence of a catalyst selected from palladium on carbon, platinum on carbon, or rhodium on carbon to afford the compound of formula XI.

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add  
a'